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(62) Document number(s) of the earlier application(s) in
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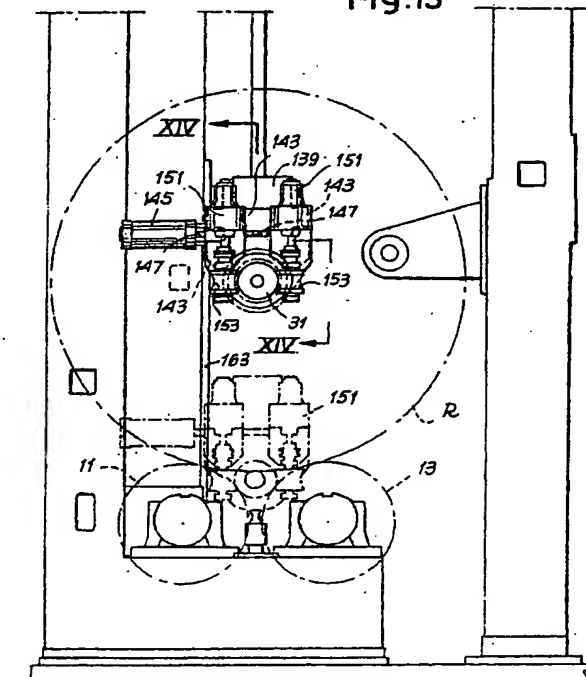
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(54) **Winding machine for forming large-diameter reels of web material with mandrel insertion means**

(57) The rewinding machine comprises a pair of lower winding rolls (11, 13) defining a winding cradle, and insertion means for introducing a mandrel in the winding cradle. These insertion means include shaped rolls

(153) and first and second actuator means (145, 151) for bringing said shaped rolls into contact with the outer surface of the mandrel and for axially moving the mandrel into the winding cradle.

Fig.13



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EUROPEAN SEARCH REPORT

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EP 00 12 0695

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	GB 1 324 183 A (LILLA EDETS PAPPERSBRUKS AB) 18 July 1973 (1973-07-18) * page 2, right-hand column, line 112 - page 3, left-hand column, line 12; figures *	1	B65H18/20 B65H19/30
A	US 4 299 358 A (DROPCZYNSKI HARTMUT ET AL) 10 November 1981 (1981-11-10) * column 2, line 25 - line 33; figures *	1	
A	US 2 913 098 A (ROBERT V. ZELLINSKY) 17 November 1959 (1959-11-17) * column 5, line 13 - line 57 * * claim 1; figures 6-9 *	1	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			B65H
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 12 April 2001	Examiner Haaken, W
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

EP 00 12 0695 A3 (2001-04-12)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 00 12 0695

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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12-04-2001

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
GB 1324183 A	18-07-1973	SE 341125 B	13-12-1971
		AT 303508 B	15-10-1972
		BE 754845 A	18-01-1971
		DE 2036991 A	18-02-1971
		FR 2057874 A	21-05-1971
		NL 7011366 A	17-02-1971
US 4299358 A	10-11-1981	NONE	
US 2913098 A	17-11-1959	NONE	

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